

Derek Ni

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<https://derekni.com> | <https://github.com/derekni>

Education

Cornell University

B.S. Computer Science; GPA: 4.13

Ithaca, NY

Expected May 2023

Courses: Object Oriented Programming and Data Structures, Discrete Structures, Data Structures and Functional Programming, Intro to Backend Development, Multivariable Calculus, Linear Algebra, Basic Engineering Probability & Statistics.

Thomas Jefferson High School for Science and Technology

GPA: 4.48 (weighted), 3.88 (unweighted); SAT: 1580/1600

Alexandria, VA

June 2019

Webmaster of Mobile Apps Club, Captain of Varsity Tennis Team, National AP Scholar, and National Merit Finalist. Courses: Mobile App Development, Web App Development, Artificial Intelligence.

Work Experience

MITRE

Cyber Security Intern

McLean, VA

May 2020 - August 2020

Wrote Python and shell scripts to evaluate results from 5 synthetic audio machine learning models, tested audio identification on real and synthetic audio, and generated synthetic images using GANs.

Cornell University

CS 2110 Consultant

Ithaca, NY

August 2020 - Present

Host weekly office hours to help students with object oriented programming and give feedback to students on coding assignments, quizzes and exams.

Monster Roll

Employee

Fairfax, VA

January 2018 - July 2019

Part-time job taking orders and making rolled ice cream & bubble tea.

Organizations

Cornell ACSU

Academic Officer

Ithaca, NY

October 2019 - Present

Organize and host on-campus academic events like mock interviews and coding workshops.

Southgate GIVE

Center Manager

Reston, VA

September 2015 - June 2019

Managed scheduling, communication and tutoring for tutoring program at local community center.

Projects

Jimmy Jumper

A mobile runner game where the player runs and jumps on platforms in the sky. Coded using C# in Unity.

Johnny Jumper

A mobile jump game where the player jumps on platforms to reach the sky. Coded using JavaScript with Phaser.

TaskTime

Productivity app to motivate users to complete to-dos through a points system. Coded using Swift in XCode.

Skills & Interests

Skills: Python, Java, C#, Swift, JavaScript, HTML and SQL

Interests: Reading, tennis, piano, podcasts and running